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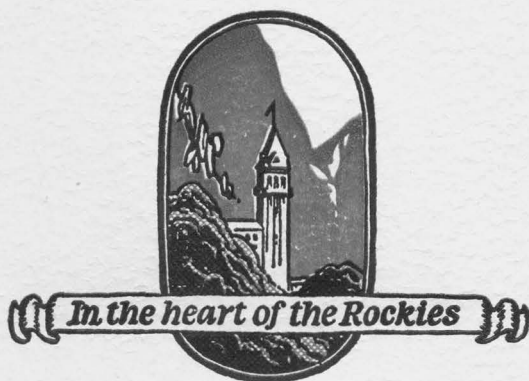


Y,41 #1

# SUMMER SESSION

## CATALOGUE

1941



June 9 to July 18

Utah State Agricultural College

Logan, Utah

COLLEGE BULLETINS

Published by the Utah State Agricultural College at Logan, Utah  
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January, 1941

Utah State Agricultural College  
**BULLETIN**

**Announcement for 1941  
Summer Session**

**PLEASE BRING THIS BULLETIN WITH YOU  
WHEN YOU COME TO REGISTER**

Entered as second-class matter, September 10, 1918, at the Post Office  
at Logan, Utah, under the act of August 24, 1912. Acceptance for  
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## USAC SUMMER SESSION FACULTY 1941—RESIDENT

Barnes, George H., B.S.F., M.S.F.	Assistant Professor of Forestry
Bate, Elsa B., B.S., M.S.	Associate Professor of Child Development
Binns, Wayne, B.S., D.V.M.	Assistant Professor of Veterinary Science
Bowen, Edith, B.A., M.A.	Supervisor of Elementary Teachers Training
Carlisle, John C., B.S., M.S., Ed.D.	Associate Professor of Education
Carter, E.G., B.S., M.S., Dr. P.H.	Professor of Public Health and Physiology
Carter, Harold S., B.S., M.S., C.E.	Professor of Civil Engineering
Christiansen, N. Woodruff, B.S.	Associate Professor of Instrumental Music
Clayton, Christine B., B.S., M.S.	Professor of Foods and Dietetics
Clyde, George D., B.S., M.S.	Professor of Engineering
Comish, Reata, B.S., M.A.	Assistant Professor of Foods
Coulam, Joseph, B.S.	Assistant Professor of Woodwork
Cutler, Harold H., B.S., M.S.	Assistant Professor of Agricultural Economics
Dancy, Charlotte E., R.N. (Johns Hopkins Hospital)	Assistant Professor of Physiology and Nursing
Douglas, William (New England Conservatory)	Instructor in Music
Dunn, Paul M., B.S., M.S.	Professor of Forestry
Evans, R. J., B.S., Ph.D.	Professor of Agronomy
Fletcher, Calvin, B.Pd.	Professor of Art
Floyd, J. Whitney, B.S.	Assistant Professor of Forestry
Frandsen, Arden, B.S., M.S., Ph.D.	Professor of Psychology
Gardner, V. D., B.S., M.B.A.	Associate Professor of Business Administration
Geddes, Joseph A., A.B., A.M., Ph.D.	Professor of Sociology
Greaves, J. E., B.S., M.S., Ph.D.	Professor of Bacteriology and Bio-Chemistry
Goold, Margaret, B.A.	Instructor in Physical Education
Gundersen, Howard B., B.S., M.A.	Professor of Trade and Industrial Education
Hadley, John M., A.B., M.S., Ph.D.	Instructor in Psychology and Speech

## USAC SUMMER SESSION FACULTY

### 1941—RESIDENT (Continued)

Hammond, D. M., B.S., M.A., Ph.D.	Assistant Professor of Zoology and Entomology
Hayward, Ira N., B.S., Ph.M.	Assistant Professor of English
Henderson, W. W., B.A. M.A. Ph.D.	Professor of Zoology and Entomology
Hendricks, King, B.S., M.A. Ph.D.	Assistant Professor of English
Hill, Reuben L., B.S., Ph.D.	Professor of Chemistry
Hirst, C. T., B.S., M.S.	Associate Professor of Chemistry
Hodges, Evelyn, B.S., A.M.	Instructor in Social Work
Holderbaum, Lois, B.S., M.S.	Assistant Professor of Textiles and Clothing
Humpherys, LeGrande R., B.S.	Professor of Agricultural Education
Hunsaker, H. B., B.S., M.S.	Assistant Professor of Physical Education
Jacobsen, E. A., A.B., M.A., Ed.D.	Professor of Education
Jensen, George C., A.B., M.A.	Associate Professor of Modern Languages
Jenson, Joseph R., A.B., M.A.	Professor of Physical Education
Jeppsen, Ernest C., B.S., M.S.	Associate Professor of Industrial Education
Johnson, Bertha F., B.S. M.A.	Associate Professor of Textiles and Clothing
Kelker, George H., A.B., B.S., M.S.	Assistant Professor of Wild Life Management
Kirkpatrick, Leonard H., A.B., M.A.	Assistant Professor of Education
*Linford, Leon B., B.S., M.A., Ph.D.	Professor of Physics
Linford, L. H., B.S., M.A., Ph.D.	Assistant Professor of Physics
McClellan, C. E., A.B., M.A.	Professor of Education
McLaughlin, R.P., B.S., M.F., Ph.D.	Associate Professor of Forestry
Merrill, Milton R., B.S., M.A.	Professor of Political Science
Meyer, George A., A.B., M.A., Ph.D.	Professor of Modern Languages
Murray, E. B., B.S., M.S.	Associate Professor of Economics
Myers, Chester J., A.B., A.M., Ph.D.	Associate Professor of Speech
Nyman, Marietta, B.S.	Instructor in Home Management
Nelson, Donald, B.S.	Instructor in Library Science
Pedersen, N. A., A.B., M.A., Ph.D.	Professor of English and Speech

\* (on leave)

## USAC SUMMER SESSION FACULTY

### 1941—RESIDENT (Continued)

Peterson, P. E., A. B. C.P.A.	Professor of Accounting
Pollard, L. H., B.S. M.S., Ph.D.	Associate Professor of Vegetable Crops
Preston, William B., M.D.	Professor of Physiology
Rich, Edith, A.B., B.S.	Instructor in Library Science
Richards, B. L., B.S. M.S., Ph.D.	Professor of Botany and Plant Pathology
Ricks, Joel E., A.B., A.M., Ph.D.	Professor of History
Rogers, Lu Dean, B.S., B.M.	Instructor in Music
Romney, E. L., A.B.	Director of Athletics
Scholes, William A., B.S., M.S.	Instructor in Physiology and Public Health
Senob, Alice, A.B., A.M., Ph.D.	Instructor in English
Shaw, Margaret, B.S., M.S.	Assistant Professor of Dietetics
Smith, Arthur D., B.S., M.S.	Assistant Professor of Range Management
Stanford, J. Sedley, B.S., Ph.D.	Assistant Professor of Zoology and Entomology
Steen, Charles J.	Instructor in Music
Stevens, Kenneth R., B.S., M.S., Ph.D.	Assistant Professor of Bacteriology
Swenson, Edna, A.B., M.A.	Instructor in Physical Education
Symons, Joseph N., B.S., M.S.	Instructor in Sociology
Thomas, W. P., B.S., M.S., Ph.D.	Professor of Agricultural Economics
Thompson, Florence B., B.S., M.A.	Assistant Professor of Home Economics Education
Tingey, V. H., B.S., M.S.	Associate Professor of Mathematics
Turner, Alberta, B.S.	Nursery School Teacher
Vermillion, Una, A.B., M.A.	Assistant Professor of Institutional Management
Wanlass, W. L., A.B., A.M., Ph.D.	Professor of Economics
Welti, Walter, B.A., M.A.	Associate Professor of Vocal Music
West, Clara P., A.B., M.S.	Instructor in Secretarial Science
Williams, Ellen, B.A., B.S. in L.S.	Instructor in Library Science
Williams, J. Stewart, B.S., M.A., Ph.D.	Professor of Geology

## VISITING FACULTY AND SPECIAL LECTURERS

- Agan, Tessie ----- Associate Professor of Home Economics,  
Kansas State College
- Ahlstrom, Mildred----- Tulsa, Oklahoma School System
- Campbell, Jennie----- Utah State Department of Education
- Chan, S. W.----- Assistant Professor of English, Stanford  
University
- Chapman, F. M.----- Bureau of Agricultural Economics, United  
State Department of Agriculture
- Childs, John L.----- Professor of Educational Philosophy,  
Teachers College of Columbia University
- Cox, Forrest----- Basketball Coach, Colorado University
- Dibble, George S.----- Salt Lake City Schools
- Dobson, Caroline----- Stewart Training School, University of Utah
- Entorf, Mark L.----- Specialist in Family Life Education,  
Cornell University Extension Service
- Fields, R. E.----- Industrial Arts Instructor, Skinner Junior  
High School, Denver Public Schools
- Ganzert, Frederic----- Associate Professor of History,  
University of Utah
- Jacobsen, A. E.----- Farm Mechanics Instructor, Springville High  
School
- Law, Reuben D.----- Utah State Department of Education
- Misner, Paul J.----- Superintendent of Schools, Glencoe, Illinois
- Moss, Bernice----- Utah State Department of Education
- Mumford, Ruth----- Utah State Department of Health
- Nichols, Mark----- Utah State Department of Education
- Pearson, Ralph M.----- Pearson School of Design, Nyack, New York
- Pooley, R. C.----- Associate Professor of English,  
University of Wisconsin
- Shaughnessy, Clark D.----- Football Coach, Stanford University

## VISITING FACULTY AND SPECIAL LECTURERS (Continued)

- Sherman, Mandel-----Associate Professor of Psychology,  
University of Chicago
- Tuttle, L. Elliott-----Supervisory Teacher, Elementary Training  
School, Brigham Young University, Provo
- Wallace, Schuyler-----Professor of Government, Columbia  
University
- West, Frank L.-----Commissioner of Education, L.D.S. Church
- Widtsoe, John A.-----Former President, Utah State Agricultural  
College and University of Utah

## STANDING COMMITTEES

- Attendance and Scholarship**—Professors Dunn, Hill, V. H. Tingey,  
Colonel Cross, Mr. Bell.
- Certification of Teachers**—Professors McClellan, Neuberger, Mr. Bell.
- Entrance**—Professors Hirst, Egbert, Mr. Madsen, Mr. Clark, Mr. Bell.
- Graduate Work**—Professors Maeser, J. E. Greaves, Evans, Willard  
Gardner, Jacobsen, P. E. Peterson, King Hendricks, Mr. Bell.
- Registration**—Professors V. H. Tingey, George Jensen, Bate, Ham-  
mond, Mr. Kirkham, Mr. Bell, Mr. Berntson.
- Student Employment**—Mr. Pocock.
- Summer Session Entertainment**—Professors Joseph R. Jenson, Miss  
Goold, Miss Swenson, Dean Croft, Dean Hendricks, Mr. Vander-  
hoff.
- Teacher Placement**—Professor L. R. Humpherys.

## UTAH STATE AGRICULTURAL COLLEGE 1941 SUMMER SESSION

The Summer Session has long since established itself as an essential part of the educational program of the Utah State Agricultural College. Now in its thirty-fifth year, the Session has proved itself indispensable to the teachers of the area who are unable to attend classes during the regular terms. These teachers recognize the need for the general stimulation and up-grading which attendance at Summer Session invariably gives. Moreover, teachers and others push forward toward advanced degrees as a result of Summer Session work.

Many undergraduate students use the Summer Session to hasten the completion of graduation requirements, and even more important, to bolster some part of their preparation which required courses pre-vent during the regular year.

Special teaching groups such as the Smith-Hughes teachers, those in industrial arts, home economics, art, physical education and coaching, music, English, and others, use all or part of the Session for concentrated training in their particular fields.

Further, the practice of having a daily lecture hour has been of incalculable value to resident faculty, townspeople, and students alike. Through the years these daily sessions featuring thoughtful and mature discussions by America's greatest scientists, artists, and teachers have given the Utah State Agricultural College Summer Sessions character and truly spiritual strength.

### VISITING FACULTY

Each year the Summer Session gives opportunity to its students to study with selected leaders in the various fields of education and drawn from all sections of the country. Many of them have achieved international recognition and all have made significant contributions to scholarship.

The 1941 Summer Session is no exception as far as the high quality of the visiting faculty is concerned. Moreover, a larger number than usual are remaining throughout the six weeks.

Schuyler Wallace of Columbia University is one of the most brilliant young political scientists in the country. He was selected primarily because of his eminence as an authority on the development of our American political ideals. An ardent democrat, he knows the history of democracy in this country as few men do.

Dr. John L. Childs is professor of the philosophy of education at Teachers College. As in the case of Professor Wallace, he was selected because of his devotion to democratic principles and because he is unsurpassed in his knowledge of and his ability to analyze the problem of educating for democracy.

Dr. Paul Misner, Superintendent of Schools at Glencoe, Illinois, and a member of the teaching staff at Northwestern University, will

direct work in elementary education. Dr. Misner was very popular with Utah teachers when he was a visiting lecturer at the Utah Educational Association Meetings a few years ago.

Dr. Mandel Sherman of the Department of Psychology at the University of Chicago will direct courses in child development and child psychology. Dr. Sherman has also appeared before Utah teachers in the past and was extremely successful.

Home Economics in all branches is to be emphasized this summer. In addition to Dr. Sherman, visiting teachers will include Tessie Agan, Associate Professor of Home Economics, Kansas State College; and Mildred Ahlstrom of the Tulsa, Oklahoma School System. Miss Agan, who is an expert in housing problems, will teach courses in this field throughout the six weeks, and Miss Ahlstrom will direct a demonstration school in the teaching of family life problems. Dr. Mark L. Entorf, specialist in Family Life Education at Cornell University will be on the campus for one week and will act as director of the Family Life Institute.

Dr. Frank M. Chapman of the Bureau of Agricultural Economics, United States Department of Agriculture; Dr. John A. Widtsoe, former president of the Utah State Agricultural College and University of Utah; and Dr. Frank L. West, Commissioner of Education of the L. D. S. Church, will teach courses in philosophy and character education. Dr. Chapman is a former member of the faculty of philosophy at Harvard University. This will be his first connection with the Summer Session, and his courses will run through the six weeks. Dr. Widtsoe and Dr. West have had large classes in character education during past years.

Ralph M. Pearson, Director of the Pearson School of Design at Nyack, New York, will return for the second summer to direct the work in art. Mr. Pearson returned because of the unanimous petition of all the students who had his work last year. Few teachers in the history of the Summer Session have been as popular and successful as Mr. Pearson.

Dr. Frederic Ganzert, Associate Professor of History at the University of Utah, will teach courses in Latin America and International Relations.

Mark Nichols, Director of Vocational Agriculture for the State Department of Education, will give aid in the direction of the two weeks' conference of Smith-Hughes teachers of Utah.

Dr. R. C. Pooley, Associate Professor of English at the University of Wisconsin will direct an English Teachers' Conference during the week of June 16. Dr. Pooley is also President of the National Association of English teachers.

Dr. Stanley High, New York Publicist and lecturer, and Dr. S. W. Chan of the Department of English, Stanford University, are among those listed for a series of special lectures.

The Curriculum Conference in Elementary Education is scheduled for the first three weeks of the session, beginning June 9. Miss Jennie Campbell, Director of Elementary Education with the State De-



partment of Education, will direct the work of this conference in co-operation with the local faculty of Education. Associated with her, will be Miss Bernice Moss, Utah State Department of Education; Miss Ruth Mumford, Utah Department of Health; Reuben Law, Utah State Department of Education; L. Elliott Tuttle, Department of Education, Brigham Young University; George S. Dibble of Salt Lake City Schools. Dr. Childs and Dr. Misner will also participate in this conference.

## REGISTRATION

Registration for the Summer Session will take place Monday, June 9, beginning at 8 a.m. and continuing to 3:30 p.m. Students who fail to complete registration on Monday may do so any succeeding afternoon from 1 to 5 P.M. The first step in registering is to call at the Registrar's Office to obtain registration forms and instructions. No classes except the coaching school are scheduled for Monday.

Seven and one-half credits are considered a normal load. The maximum load for which students may register without special action of the attendance and scholarship committee is nine credits for the full six weeks; five credits for three weeks, or three credits for two weeks. If excess credit is granted by the Committee, a special fee of \$2 per additional credit will be charged. A reduction of one and one-half credits per week will be made in the maximum credits allowed late registrants, as well as those students who register for less than the six weeks' period. Scheduled courses, whether regular or intersession, will not be given if less than five students register.

All graduate students who wish to complete requirements for the Master of Science degree must register with the Committee on Graduate Work. This committee's office for Monday, June 9, is the Registrar's Office; thereafter, Room 306, Widtsoe Hall.

## CLASS SCHEDULE

Classes will begin at 7 a.m. through the Summer Session. There are four periods during the morning hours: 7, 8, 9, and 10. Bells ring on the hour and classes begin ten minutes later, that is at 7:10, 8:10, 9:10, etc. The 11 o'clock hour is kept open as a lecture period and no classes are scheduled at that time. Afternoon classes begin at 1 p.m. and continue on the hour to 5 p.m. The above schedule will not be followed during the Intersession, where class hours will be arranged.

## GRADUATE WORK

For detailed information on graduate work see general catalogue. Those who expect to register for the first time for work leading to an advanced degree should submit their credits to Dr. Sherwin Maeser, Chairman of the Committee on Graduate Work, several weeks in advance of registration and indicate the subject in which they wish to major. This will make it possible to have the course of study

approved at the time of registration. The registration card of all graduate students working toward a degree must be signed by Dr. Maeser. For a more complete statement of requirements for the Master of Science or the Master of Education degree, consult the general catalogue, page 55.

Students in agriculture wishing to do graduate work during the Summer Session may register for the regular summer school work and be assigned to specific duty with members of the Experiment Station staff. Credit will be given for this work toward an advanced degree. Students who anticipate taking advantage of this opportunity should apply early so that the particular work in which they are interested may be arranged in connection with the summer program. Registration for such work should follow the regular course.

## MASTER OF EDUCATION DEGREE

The offering of the Master of Education degree is restricted to those who have had successful teaching experience and emphasizes the professional improvement aspect of teaching. The Master of Education degree is offered in five major divisions of work: Agriculture, Home Economics, Biological Science, Physical Science and Social Science. The work leading to this diploma aims to serve the following purposes:

- (a) Provide graduate training in professional education.
- (b) Provide a clearer understanding of the learner and his needs.
- (c) Provide a clearer understanding of society and its needs.
- (d) Provide enriched background of subject matter in the field of the teaching major.

Requirements for the Master of Education degree are set forth in the general catalogue on page 56, or may be obtained by request to the Department of Education.

## FEES

General Registration Fee for Six Weeks.....	\$20.00
Registration for Three Credits or Less.....	8.00
Registration for Three weeks or Less (Not Exceeding Five Credits) .....	12.00
Coaching School Fee .....	10.00
(Students who pay the regular \$20 fee may attend the Coaching School without additional charge.)	
English Conference (No additional fee if registered for Summer Session) .....	5.00
Listening Fee (Per Course) .....	2.00
Excess Credit (for each credit) .....	2.00
Intersession Fee (Maximum of six credits).....	10.00
Laboratory Fee for Mechanic Arts 122 .....	10.00
Child Guidance, Home Economics 60 (Laboratory fee) .....	1.00

Students who pay the regular fee will be admitted without additional charge to all lectures, entertainments, and special features.

## LIVING ACCOMMODATIONS

Board and room accommodations can be obtained near the campus at very reasonable cost. Many small apartments are also available for the Summer Session. The college maintains a Housing Bureau which is prepared to aid students in making satisfactory living arrangements.

The Women's Residence Hall will be open during the Summer Session and reservations should be made in advance through the Dean of Women or the Secretary's Office at the Utah State Agricultural College. Accommodations are available on the basis of two people in a room or one person in a room. Meals for the residents of the Hall will be served in the Cafeteria each day through the Summer Session. All inquiries concerning the Women's Residence Hall should be addressed to the Dean of Women.

## THIRD DRIVERS' SCHOOL

Traffic safety is to receive a further impetus through the third year's offering of a teacher's training course in Driver Education and Traffic Safety at the Utah State Agricultural College from June 9 to June 27.

Two specially trained members of the College resident staff will have active charge of the class. They will be aided by various state agencies who are cooperating in a general program of traffic safety. Should interest by registration justify, a second course will be organized for the second three weeks.

## READING AND CONFERENCE COURSES

For many years there has been a need of courses in various fields which would meet the requirements of experienced teachers wishing to do advanced work in their field. This summer the College again offers courses in several departments titled "Reading and Conference," designed to fit the need.

Students who register for one or more of these courses will be directed by a member of the staff in selected reading in their field of interest. Frequent conferences and consultations will be held with the staff member during the Session. Such courses should permit able teachers and students to advance more rapidly than would be possible in the more formal courses.

## FORESTRY SUMMER CAMP

The School of Forestry will hold its annual field practice training camp at the permanent headquarters at Tony Grove in Logan Canyon. Headquarters is situated within the Cache National Forest about twenty-two miles from the College Campus, and is within easy walk-

ing distance of the privately owned College lands. The Forestry Camp, because of its marvelous scenic location and its well-constructed buildings, serves as a center for many Summer Session activities, including the annual Summer Session canyon party.

The instruction period will be ten weeks, starting with registration at the Forestry building June 9 and closing August 16. The field instruction is required in all departments of the School of Forestry between the sophomore and junior year, and is a prerequisite to all the technical courses of the junior year. Practical field methods are stressed rather than theory. Twelve hours of credit will be given for the ten weeks of work. The tuition fee is \$20 and board is \$5 per week.

## COACHING SCHOOL

Clark Shaughnessy of Stanford University and Forrest Cox of the University of Colorado are the featured instructors at this, the fifteenth annual coaching school. Hundreds of high school and college coaches have attended these helpful and inspiring sessions in past years and it is because of their universal praise for the quality of the school which has made it an annual feature.

Shaughnessy is the first football coach to be reinvited. There are two reasons for his selection. He was eminently successful in his first appearance, demonstrating to everyone that he was a brilliant coach and able expositor. He has gone on from that point however and last season was universally hailed as "the coach of the year." He has created an offensive system which has excited the admiration of every coach and student of this great game in the country.

Cox has built an effective and largely personal basketball system at Colorado, and he has demonstrated his ability to describe it. At the same time he is extremely able in the analysis of other systems.

## CURRICULUM CONFERENCE IN ELEMENTARY EDUCATION

The Utah State Agricultural College Summer Session and the State Department of Education are cooperating in a Curriculum Conference in Elementary Education which will be conducted for the three weeks June 9-June 27. Miss Jennie Campbell, State Director of Elementary Education, and the resident staff of the Department of Education will direct the work of the conference. Representatives from all the school districts of the State are expected to be present. Several other visiting teachers drawn from various parts of the State, and including Dr. John L. Childs of Teachers College and Dr. Paul Misner of Glencoe, Illinois, will supervise certain phases of the conference program. Students attending the conference will find it possible to register for half or full credit, depending upon the work done. Courses will be organized for the last three weeks for those people

attending the Curriculum Conference who wish to carry through the remainder of the Session. Additional information regarding the Curriculum Conference can be obtained from the State Department of Education or the Director of the Summer Session.

## ENGLISH TEACHERS' CONFERENCE

Recognizing the importance of the teaching of English in the rural schools, the College is arranging an intensive English Teachers' Conference for the week of June 16. Those who register for the conference will spend practically full-time during this week in study and analyzing the problems of the English teachers. Dr. R. C. Pooley of the University of Wisconsin, well-known author of English texts and president of the American Association of English Teachers, will direct the conference. One credit may be earned by those who successfully complete the work. A special registration fee of \$5 will be charged those who are registered for the conference alone. Regular Summer Session students will pay no additional fee.

## FAMILY LIFE INSTITUTE

Utah Family Life Institute will be held at the Utah State Agricultural College this year. This conference is sponsored by the Summer Session Division of either the Utah State Agricultural College or the University of Utah and the State Department of Education. The conference will be held Wednesday, Thursday, and Friday, June 25, 26, and 27. Dr. Mark L. Entorf, specialist in Family Life Education with the Cornell Extension Service, will be the director of the Conference. The theme of the Conference will be "Family Life and the National Emergency." Every agency in the State interested in the family and its problems will send representatives to the conference and all have cooperated in the formation of the program. Dr. John L. Childs, Dr. Entorf, and Miss Tessie Agan are scheduled for special lectures during the course of the Conference.

## RECREATION AND ENTERTAINMENT

The Summer Session recognizes the importance of recreational features and provision has been made to provide Summer Session students with entertainment of high quality. Among the special numbers that have been planned are Paul Fleming, Magician; the Rink String Quartet; La Trianita, Spanish dancer; and Irving Wassermann, pianist. Others will be added before the opening of the Session. Dances, canyon parties, and a full schedule of intramural events are also features of the program. All of these activities are open without additional charge to students of the Summer Session.

Logan is ideally located for Summer Session work. The summer climate is delightful and Logan Canyon, Bear Lake, and other

mountain retreats are in the immediate vicinity. The Logan Golf and Country Club course is open to students who pay the nominal green fee.

## INTERSESSION

Regularly scheduled Intersession Classes will begin Monday, July 21 and continue for four weeks. Five or six credits may be earned during this period. Any regular college course which is not scheduled for the Intersession will be given in that period if ten students petition the Summer Session Director and join the class. Credit in the Intersession is computed on the basis of one hour of credit for 12 one-hour lecture periods or 12 three-hour laboratory periods. Registration forms will not be accepted after the close of any Intersession period in which the classes are given.

Students who desire to register for credit in research problems or field studies must make the necessary arrangements with the Registrar's Office at the beginning of the Intersession period. Credits allowed and fees charged for this type of study will depend on the time spent and the work accomplished.

## TEACHERS' CERTIFICATION

By attending the Summer Session of the Utah Agricultural College, it is possible to meet any of the requirements for Utah Certification with the exception of practice teaching; and, since the College is on the Accredited List of the Association of American Universities, credit will be allowed for any subject completed in the Summer Session that forms part of the certification requirements of any state.

By September 1, 1942, beginning elementary teachers' certificates will require four years of college credit.

## TEACHERS' BUREAU

A Teachers' Bureau under the direction of Professor L. R. Humpherys functions in connection with the Summer Session. All teachers seeking employment may register in this bureau. Superintendents and others who employ teachers will find it to their advantage to consult the list of applicants which will be furnished upon request. Interviews with applicants will also be arranged.

## KEY TO BUILDINGS

M—Main Building  
A—Mechanic Arts Building  
E—Engineering Building  
P—Plant Industry Building  
L—Animal Husbandry Building  
G—Gymnasium

N—Library Building  
F—Forestry Building  
W—Widtsoe Hall or Chemistry Building  
H—Home Economics and Commons Building

# Courses of Instruction

## AGRICULTURE

Courses for Teachers of Vocational Agriculture

L. R. Humpherys, Professor

### Visiting Faculty

Mark Nichols

State Director of Vocational Agriculture

State Department of Education

101. **Advanced Vegetable Production.** The course will deal with the main vegetable crops and emphasis will be placed upon production interests and preparation for market. Three credits. June 9-20. Daily 1-5. L309. Pollard

102. **Principles of Farm Management.** A study of the principles underlying the organization, management and financial success of farms. Types of farming, size of business, rates of production, labor efficiency, combination of enterprises and farm layout will be discussed. A fee of \$1.00 will be charged for materials supplied. Two and one-half credits. June 9-20. Daily 2-5. M178. Staff

140S. **General Farm Shop.** Organization of the content for farm mechanics in the high school together with the operative and managerial skills in typical farm mechanics work. Two and one-half credits. June 9-20. Daily 1-5. Ag. Engineering Building. Coulam and Jacobsen

145. **Veterinary Science.** A study of common ailments of domestic animals and the symptoms, diagnosis and prevention of the most prevalent diseases and parasites; the use of disinfectants for the prevention of diseases with a practical clinical experience and with the common operations on farm animals. Three credits. June 9-20. Daily 1-5. L203. Binns

## AGRICULTURAL ECONOMICS AND MARKETING

W. P. Thomas, Professor

H. H. Cutler, Assistant Professor

George T. Blanch, Associate Professor

105. **Agricultural Finance.** A study of agricultural credit with regard to requirements, facilities, instruments, and methods of financing agriculture. This involves an analysis of our present financial organ-



ization and its relation to agriculture. Special attention will be given to the agencies authorized by the Federal Government to provide financial aid and credit to farmers and farmers' organizations. Two and one-half credits. Daily 8. M179. Staff

110. **Marketing Agricultural Products.** A course in principles of marketing, including cooperative marketing, particularly designed for students in agriculture. Two and one-half credits. Daily 9. M179. Staff

154. **Principles of Agricultural Economics.** An introduction to the field of agricultural economics with emphasis on the application of economic principles to the solution of agricultural problems. Prerequisite, Economics 51, or its equivalent. Two and one-half credits. Daily 10. M179. Staff

## ART DEPARTMENT

Calvin Fletcher, Professor

Visiting Faculty

Ralph Pearson

Founder and Manager of Ralph M. Pearson Design Workshop,  
Nyack, New York

Art 3-103. **Art Understanding and Appreciation.** Five lectures for six weeks. Two and one-half credits. Daily 1. M51. Pearson

Art 5, 105, 205. **Painting.** Art 5 for beginners and Junior College level; Art 105 for Senior College students; and 205 for graduate level. Daily 8-11. M51. Pearson

Two sections of this work will be organized: Section one, for those who have not had Mr. Pearson's work of last year, will meet in room M51. Section two will meet in room M54 at the same hours, for those who had Mr. Pearson's work last year. Students in this section choose the medium to be worked with or the field to be explored.

Students in these classes should do at least three credits of work (three hours per day). Opportunity to work full time is given if desired. One hour per day is required for each credit given.

Section one is an excellent type of work to accompany Art 3 to develop fine appreciation of present day painting as well as the painting of the masters. It is adapted to the layman and professional alike.

Art 37. **Principles of Industrial Design.** Fundamental principles of design and color especially applied to the industrial art program. Three lectures and criticisms—with out of class projects. Two and one-half credits. M.W.F. 7. Staff

Art 38. **Problems in Design.** Definite problems in design for industrial art projects with some attention to design as applied in the



manufacturing fields. In this course, work may be directed to designing actual problems to be executed in the crafts or industrial arts courses according to individual interests. Prerequisite, Art 37 or equivalent. T., Th. 7. M52. One and one-half credits. **Staff**

### Studio and Craft Shop Courses

Courses listed below are taken up as individual work and are adapted to each student's needs. Criticism and help is given daily between 2:30 p.m. and 4:30 p.m. The studio and shops are open from 8 a.m. to 6 p.m. daily for use as craft courses but criticism and personal help can be given only between 2:30 and 4:30 each afternoon except Saturday. Thirty hours of work must be accomplished for each credit registered for.

These courses are only open for credit. Each course may be taken on the Junior or Senior College level and may be continued for additional credit but only with new and more advanced assignments.

Art 6, 106. **Sculpture.** Any field may be taken up such as, modelling, casting, stone cutting, wood carving etc. M52. **Fletcher**

Art 115. **Graphic Art.** Choose etching, wood block, wood engraving, or monotypes. M52. **Fletcher**

Art 13, 113. **Art Metalry.** Elementary or advanced processes may be taken up. Copper as a metal will be stressed but pewter, silver, and aluminum may be taken up if desired. Raising, etching, riveting, sawing, repousse, and other standard processes are taken up as fast as the student's ability permits. M52. **Fletcher**

Art 14, 114. **Leather Work.** Tooling, lacing, dying, finishing, etc. Students who have credit for Industrial Art 107 may take this course in lieu of Industrial Art 109 of 1941 Catalogue. M52. **Fletcher**

Art 17, 117. **Fabric Decoration.** Elect batik, block printing, stenciling, or crayonex. M52. **Fletcher**

Art 16, 116. **Wood Ornamentation.** Elect any of the following: carving, gilding and gold leaf, enameling and gesso. M52. **Fletcher**

Art 19, 119. **Jewelry.** Construction, soldering, chasing, enameling, stone cutting and setting. Filigree and advanced processes may be taken up if the student is prepared. Students who have credit for Industrial Art 108 may use this course instead of Industrial Art 110 of the Industrial Art Program. M52. **Staff**

Art 15. **Basketry.** Sewed or Indian baskets or wicker basketry may be taken up. M52. **Fletcher**

## BACTERIOLOGY AND BIOCHEMISTRY

J. E. Greaves, Professor

Kenneth R. Stevens, Assistant Professor

**1. General Bacteriology.** This course deals with the biology and significance of bacteria. The following are considered: the development of bacteriology; the morphology and physiology of bacteria; bacteria in air, food, and water; and the role they play in the arts, industries, and in the production of diseases. Two and one-half credits. Daily 9. P302. Greaves

**50. Microbiology of Food.** A course dealing with fundamental principles involved in the cause and prevention of spoilage in food preservation. Two and one-half credits. Daily 10. P302. Stevens

**207. Research.** The laboratory and library facilities are especially equipped for advanced students in bacteriology and biochemical investigations in agriculture, household science, the industries, sanitary science, and veterinary science. One to five credits. Time arranged. Greaves and Stevens

## BOTANY

B. L. Richards, Professor

F. B. Wann, Associate Professor

R. S. Snell, Assistant Professor

**1a. General Botany.** A basic course treating the fundamental principles of plant life with emphasis on the general structure, nutrition, growth, reproduction, properties of inheritance, and environmental interdependence of plants. Designed chiefly for teachers, to provide a general and broad understanding of the interpretation of plant phenomena. This satisfies prerequisites for advanced courses in botany. Four credits. M.T.W.Th. 2-5. P105. Snell

**120a. Plant Physiology.** A study of the plant as a dynamic organism in relation to the complex and changing environment. Designed primarily to aid teachers in the interpretation of the physiological process of growth and of the means by which plants adjust to their environment. Field excursions will be made for study and observation of plants in specialized habitats. Prerequisite: Botany 1a or equivalent. Four credits. M.T.W.Th. 2-5. P103. Wann

## BUSINESS ADMINISTRATION

P. E. Peterson, Professor

V. D. Gardner, Associate Professor

Clara P. West, Instructor

**28. Introduction to Corporation Finance.** Prerequisite: Introductory Accounting. This course will consider the nature, advantages, disadvantages of the corporation as a business entity. Will consider problems of securing and managing finances of the new enterprise and the going concern. Two and one-half credits. Daily 9. M301.

Gardner

**100. Accounting for Non-Commercial Students.** A short course emphasizing use and interpretation of accounting data, as well as procedures whereby data are entered on records. Fundamental ideas are stressed. Lectures, questions, problems used to develop these ideas. Two and one-half credits. Daily 7. M301.

Gardner

**149. Business Policy.** A coordinating course aimed at developing perspective and facility in the solution of business problems involving many inter-related aspects. Case method will be followed. Three written business reports will be required. Two and one-half credits. Daily 8. M301.

Gardner

## Secretarial Science

**75. First Quarter Stenography.** This course is designed for students who have had no previous training in shorthand. Part I of Gregg Shorthand-Functional Method will be covered, and emphasis will be placed on the fluent reading of shorthand plates. Practice will also be given in writing shorthand notes. Two and one-half credits. Daily 9. M351.

West

**80. Advanced Stenography.** This course is designed for students who have had one year of shorthand at this institution or elsewhere. It includes a review of the theory of Gregg shorthand with the development of new vocabulary, practice in the reading of shorthand plates, and the production of mailable transcripts. Special attention will be directed toward the attainment of speed in taking dictation and increasing the transcription rate. Two and one-half credits. Daily 10. M351.

West

**86. First Quarter Typewriting.** For students who have had no typewriting. This course is designed to develop correct technique in stroking through syllable, word, and sentence drill. Mastery of the keyboard will be developed through shifting, rhythm, number, and stroking drills, "timed" writing, finger exercises, and error analyses. Average speed at end of quarter, 20 words a minute. One credit. Daily 8. M330a.

West

## CHEMISTRY

Rueben L. Hill, Professor

C. T. Hirst, Associate Professor

**102-103. Quantitative Analysis.** This course corresponds to the regular course given during the winter and spring quarters. Each one of these course will require one lecture and five three-hour laboratory periods a week. A student registering for both courses would be required to spend six hours each day at laboratory work and should not register for additional work except by special permission. Prerequisites: Chemistry 5 or 15. Three credits, each course. Lecture M. W. 2. Laboratory daily, 8-11 or 1-4. W204. Hirst

**121. Organic Chemistry.** Fundamental principles of Organic Chemistry. The aliphatic hydrocarbons and their derivatives. This course corresponds to the regular course given in the Fall quarter. Lecture daily, 9. Laboratory, daily 2-5. Five credits. Prerequisite: Chemistry 5 or in exceptional cases, Chemistry 11. W204. Hirst

## ECONOMICS

W. L. Wanlass, Professor

**106. History of Economic Doctrines.** A critical study of the origin and the development of the economic theories of the leading thinkers in the leading nations of the world from 1750 to the present time. Two and one-half credits. Daily 8. M305. Wanlass

**155. Principles of Taxation.** After a brief survey of the fundamental economic principles of public finance, a critical examination of our federal, state, and local taxes and the various business taxes will be studied. Special attention will be given to tax problems in Utah. Prerequisites, Economics 51, 52. Two and one-half credits. Daily 9. M305. Wanlass

**165. Money and Credit.** The nature, development and uses of money and credit. Special attention given to bimetallism, and gold standard, the money market and the relation of money and credit to prices, causes of inflation and the functions of the Federal Reserve System. Prerequisites; Economics 51, 52. Two and one-half credits. Daily 10. M305. Wanlass

## EDUCATION

E. A. Jacobsen, Professor  
C. E. McClellan, Professor  
Arden Frandsen, Professor  
John C. Carlisle, Associate Professor  
Edith Bowen, Supervisor of Elementary Training

### Visiting Faculty

John L. Childs, Professor of Education,  
Teachers College, Columbia University,  
New York City  
Paul J. Misner, Superintendent of Schools,  
Glencoe, Illinois  
Jennie Campbell, State Director of Elementary  
Education, Salt Lake City, Utah  
Bernice Moss, State Department of Education.  
Reuben D. Law, State Department of Education  
George S. Dibble, Art Instructor, Salt Lake City  
Ruth Mumford, State Department of Health.  
L. Elliot Tuttle, Supervisory Teacher,  
Brigham Young University, Provo

**171. The Role of Thinking in the Learning Process.** This course will deal with: The nature of reflective thinking; its importance as a process of learning; reasons why more good thinking is not done; and ways for encouraging more and better thinking. Two and one-half credits. Daily 10. M355. McClellan

**186a. Elementary School Curriculum Laboratory.** The purpose of the course will be to prepare curriculum materials for the elementary schools of the State of Utah. Study will be based upon problems submitted by elementary school workers of the State. Descriptions of actual classroom experiences prepared by the teachers of the State will be used as illustrations of the solution of problems. Open only through previous reservation or by consent of directors. Two and one-half credits. Daily—time arranged. First three weeks. M205. Campbell, Jacobsen and Staff

**186b. Elementary School Curriculum.** Same as 186a (devoting double time to work). Two and one-half credits. Daily—time arranged. First three weeks. Campbell, Jacobsen and Staff

**197. The Elementary School Curriculum.** The course is designed to aid students in understanding the social, psychological, and philosophical principles that underlie the emerging curriculum of the modern elementary school. Major emphasis will be given to the problem of providing for the participation of pupils, teachers, specialists, and lay citizens in planning, executing and evaluating curriculum programs that are appropriate to the needs of a democratic society. The labora-

tory method will be used and students will be given opportunities to participate in developing the course in terms of their individual interests and needs. One and one-fourth credits. First three weeks. Daily 9. M280. Misner

202. **An Analysis of Contemporary Philosophies of Education.** Current philosophies of education will be studied in order to discover the basic factors in psychology, in social outlook and in conceptions of the good life which are involved in these contrasting programs for American education. One and one-fourth credits. First three weeks. Daily 10. M279. Childs

203. **Public Education in a Period of Cultural Transition.** An examination of the nature of public education with particular attention to its functions, responsibilities and problems in a period of profound social change. One and one-fourth credits. First three weeks. Daily 8. M279. Childs

205. **Reading and Conference.** A course providing for individually directed study in the fields of one special interest and preparation. Credit and time arranged. Staff

221s. **Current Problems in School Reorganization and Administration.** An evaluation of current practices and an analysis of trends in state, national, and local administrative units. One and one-fourth credits. Daily 10. Second three weeks. M279. Jacobsen

222. **Administration and Supervision of the Elementary School.** The course is designed to deal practically with the problems that arise in connection with the democratic organization and control of elementary schools. Particular emphasis will be given to consideration of the means to be employed in securing the greatest possible amount of participation on the part of pupils, teachers, specialists, and community adults in the educational enterprise. Attention will be given to such subjects as: curriculum development, school and community relations, classification and promotion of pupils, guidance, and evaluation. The laboratory method will be used and students will be given opportunities to participate in developing the course in terms of their individual needs and interests. One and one-fourth credits. Daily 10. First three weeks. M279. Misner

227s. **Teaching Problems in Secondary Schools.** In this course a conservative-progressive view will be given of such basic problems as: the meaning of education; the role of principles in relation to teaching technique; the functions of a good teacher; the use and abuse of textbooks; and methods for motivating meaningful learning. (Credits for this course may be substituted for those in Principles of Education, or Methods in Secondary Education). Two and one-half hours credit. Daily 8. M355. McClellan

241. **Social Education.** The implications for education involved in social conditions and social change. The social significance of current educational theories and practices. One and one-fourth credits. Daily 8. Second three weeks. M279. Jacobsen

266. **Research in Education.** This will be a semi-laboratory course and will provide opportunity for those just beginning in the research field, as well as for those who have done some research work, to carry on according to their needs. The principles underlying scientific research will be reviewed, and opportunity will be given to teachers who may be contemplating research studies in their classrooms, and to those who are exploring the possibilities of writing a master's thesis, to evaluate their problems from a research standpoint, and to get help in carrying their plans forward. Two and one-half hour credits. Daily 2. M355. McClellan

## CHARACTER EDUCATION

### Visiting Faculty

John A. Widsote, Former President of Utah State  
Agricultural College and the University of Utah

Frank L. West, Commissioner of Education, L.D.S. Church

191. **The Philosophy of Happiness.** A consideration of the nature and component parts of happiness; the relationship of the factors of happiness to life in the home, community and state; the effects of these factors on character building; and the methods of measuring individual and group happiness. Lectures and projects. Two and one-half credits. First three weeks. Class meets daily at 8 and 10. M354. Widsote

192. **Character Education and Personality Development.** A study of contemporary moral and spiritual problems, particularly those of youth, with a consideration of standards of conduct in a changing world, and methods of personality development. Religion, its problems and values as related to personality and character. Two and one-half credits. Second three weeks. Class meets twice daily at 8 and 10. M354. West

## ENGLISH

N. A. Pedersen, Professor  
King Hendricks, Assistant Professor  
Ira N. Hayward, Assistant Professor  
Alice Senob, Instructor

### Visiting Faculty

R. C. Pooley, University of Wisconsin

10 or 110. **Sophomore Composition.** (English 10), is required for graduation of all students not offering its equivalent. May not be



taken in the freshman year. Junior composition (English 11), is required of all graduates, beginning with the class of 1940. These courses will stress correctness and effectiveness in sentence, paragraph, and theme; give practice in organization and outlining of material, and in expository writing; will demand clear forceful expression. Five credits for English 10, four credits for English 110. Class meets twice daily, 7-8, 1-2. N310. Hayward

24. **Literature for Children.** Introduction to the literature of childhood, old and new. Current books as well as classics of the past are read. The course is adapted to teachers of children, parents, and builders of personal or community libraries. Five credits. Daily 7-9. Moore Library. Library fee \$1.50. Pedersen

105. **History of the English Language.** A non-technical course in the development of the English language, designed particularly for teachers of English in the secondary and elementary schools. Two and one-half credits. Daily 8. L316. Hendricks

148. **Comparative Literature.** A comparative study of the Romantic Period in England and Germany. Two and one-half credits. Daily 1. L316. Hendricks

154. **Social and Political Backgrounds of American Literature.** A study of American literature in relation to the political and social environment out of which it grew. The course is planned especially for those who wish to correlate the study and teaching of our national literature with the social and political sciences. Two and one-half credits. Daily 9. N310. Hayward

163s. **Shakespeare.** A study of representative plays including the Comedy of Errors, the Taming of the Shrew, Much Ado About Nothing, Julius Caesar, Henry the Fourth, Hamlet, Othello, King Lear, Macbeth, and the Tempest. The course will reveal Shakespeare's development as a dramatist as well as his powerful portrayal of life. Interpretive reading, class discussion, and memorizing of choice passages. Two and one-half credits. Daily 9. M204. Pedersen

167. **The Arthurian Legends in English Literature.** A study of these legends as they appear in literature since the time of Spenser. Special attention will be given to the nineteenth and twentieth century treatments. The course is designed especially for teachers of literature. Two and one-half credits. Daily 9. L316. Hendricks



## FORESTRY

Paul M. Dunn, Professor  
 R. P. McLaughlin, Associate Professor  
 George H. Barnes, Assistant Professor  
 J. Whitney Floyd, Assistant Professor  
 George H. Kelker, Assistant Professor  
 Arthur D. Smith, Assistant Professor

96. **Surveying Practice.** Practical problems involving the use of the level, transit and plane table. Road location, elementary curves and placement of slope stakes. Three credits. Summer camp.

Floyd

97. **Forest Practice.** Practical work in forest mapping, timber cruising, timber marking; inventories and growth of immature timber stands; stem analysis, taper measurements, sample plots. Three credits. Summer camp.

Barnes

98. **Range Practice.** Field work in range management involving training in making range reconnaissance, estimating palatability and conducting technical range research. In addition some time will be devoted to inspecting range improvements and making management plans. Three credits. Summer camp.

Smith

99. **Wildlife Practice.** Stream surveys and mapping for improvement purposes and for restocking; the use of census methods for big game, game birds and rodents; cover mapping; preparation of animal skinning; studies of deer and elk ranges. Three credits. Summer camp.

Kelker

## GEOLOGY

J. Stewart Williams, Professor  
 Harry Victor Church, Jr., Instructor

1. **Introductory Physical Geology.** A general survey course of the whole field of physical geology for arts students and others who desire only a broad introduction to the subject. Five credits. Daily 7-9. M283.

Williams or Church

## HISTORY

Joel E. Ricks, Professor  
 Visiting Faculty

Frederic W. Ganzert, University of Utah

128. **European History. The World Since 1914.** The first World War and the rise of communism and facism, with an analysis of the forces which destroyed attempts at international government and precipitat-

ed the present world struggle. One and one-half credits. M.W.F. 9. N312. Ganzert

180. **Hispanic America.** A survey of the development of Ibero-American civilization with emphasis upon the post-colonial period and relations with the United States and Europe. Two and one-half credits. Daily 8. N312. Ganzert

188. **The Far East and Pacific Area.** A brief study of the essentials of Chinese and Japanese civilizations, followed by a survey of the relations since 1800 between China and Japan and the western powers, with emphasis upon the United States' policy in the Far East and the Pacific. Two and one-half credits. Daily 10. N312. Ganzert

## HOME ECONOMICS

Christine B. Clayton, Professor  
 Elsa B. Bate, Associate Professor  
 Bertha Johnson, Associate Professor  
 Charlotte E. Dancy, Assistant Professor  
 Una Vermillion, Assistant Professor  
 Florence Thompson, Assistant Professor  
 Reata Comish, Assistant Professor  
 Mary Margaret Shaw, Assistant Professor  
 Marietta Nyman, Instructor  
 Alberta Turner, Instructor

### Visiting Faculty

Mandel Sherman Associate Professor of Psychology,  
 University of Chicago.

Mark Entorf, Specialist in Family Life Education,  
 Cornell University Extension Service.

Tessie Agan, Associate Professor of Household Econ-  
 omy, Kansas State College.

Mildred Ahlstrom, Tulsa, Oklahoma City School System.

24. **Literature for Children.** Introduction to the literature of childhood, old and new. Current books as well as classics of the past are read. The course is adapted to teachers of children, parents, and builders of personal or community libraries. Five credits. Daily 7-9. Moore Library. Library fee \$1.50. Pedersen

60. **Child Guidance.** Open to all girls in the College wishing to acquire a knowledge of, and a degree of skill in the guidance of young children. This course should be helpful to prospective home-makers, elementary school teachers, and social workers. One 9, one 10,

and one 11 o'clock hour must be free each week to allow for scheduling in the nursery school. Specific hours will be assigned at the first class meeting. A laboratory fee of \$1 is required. Two and one-half credits. Daily 2. Laboratory to be arranged. H101. Bate

103a, b. **Personality and Conduct Problems.** A study of the characteristics, causes, treatment, and prevention of personality and conduct problems which may arise in family, school, vocational, social, and recreational activities. Individual counsel will be available on the teacher's personal problems as well as on those of her pupils. One and one-fourth credits for first three weeks; additional one and one-fourth credits for 103b in second three weeks. Daily 10. M280. Sherman

110. **Child Psychology.** A study of the roles of growth, learning, and environmental influences on the motor, mental, language, social, and personality development of children from birth through adolescence. Generalizations with respect to individual differences, emotional behavior, motivation, how children learn, observe, and think, will be applied to understanding and controlling children's behavior in home, school, and community. One and one-fourth credits for the first three weeks; two and one-half credits if continued through the second three weeks with Frandsen. Daily 1. M279. Sherman

125. **Mothercraft.** This course includes a study of the anatomy and physiology of the reproductive system, preparation for motherhood, and the physical care of mother and child from the prenatal period to the end of the first year of the child's life. Prerequisite, Physiology 4. Two and one-half credits. Daily 10. HE212. Dancy

130. **Methods and Materials in Teaching Child Development.** M134. Ahlstrom

131. **Methods and Materials in Teaching Family Relations.** M134. Ahlstrom

(See Home Economics Education for write-up.)

## Foods and Nutrition

5. **Principles of Nutrition.** This course includes a study of the relation of food to physical fitness, and the practical application of such information to the college student. Open to men and women. Two lectures daily, 8 and 1. Five credits. HE101. Shaw

106. **Family Meals.** Foods in their scientific and economic aspects; marketing, menu making, food preparation, and meal service. Nutritional adequacy of family meals at low cost emphasized. Prerequisites, Foods 20, 21. Two and one-half credits. Two lectures. Three two-hour laboratory periods. T.Th., 12. M.W.F., 12-2. HE203, 103. Comish

142. **Dietetics.** Includes the calculation and preparation of dietaries and a survey of the dietary habits of various countries. Prerequisites:

Organic Chemistry and Nutrition 5. Three credits. Four lectures, one laboratory. M.W.Th.F. 10. Laboratory Tuesday 2-4. HE203. Lab. 103.

Shaw

160. **Special Problems.** Open to qualified students majoring in Foods or Nutrition. Time and credit to be arranged. Staff

180. **Quantity Food Preparation.** Principles of large quantity food preparation and service. Includes a study of the standardization of foods with reference to quality and production cost. Some emphasis is given in the use and operation of kitchen equipment. Cafeteria kitchen used as the laboratory and students will assist in preparing foods for the cafeteria groups. Special catering projects included. Prerequisites: Nutrition 5 and Foods 20 and 21. Two and one-half credits. M.W.F. 9; Laboratory Tuesdays and Thursdays, 9 to 12. HE A2.

Vermillion

182. **Institution Organization and Management.** A study of the principles and methods of organization in cafeteria, dormitory, or hospital. Includes study of problems of administration such as employer-employee relationships, upkeep and equipment, keeping of simple accounts and inventories and some of the buying problems. An advanced course for those who have had 180 or its equivalent. Prerequisites for summer: 181. Two and one-half credits. Daily 2. HE A2.

Vermillion

210. **Research in Foods and Nutrition.** Individual research problems which may form the basis for the thesis submitted for a master's degree. Time and credit to be arranged. Staff

### General Home Economics

25. **Home Hygiene and Care of the Sick.** A course in home nursing and first aid to the injured. The first hour is devoted to discussion, the laboratory to demonstrations and practice. Reading of reference material and writing of special reports required. Laboratory apron needed. See instructor. Class limited to twenty-four students. One and one-half credits. M.W. 8, T. or Th. 7-9. HE207.

Dancy

50. **Consumer Education.** Consumer purchasing; agencies for information and guidance, study of standard grades and qualities of goods as found on the market; factors governing cost; ethics of buying and selling; training to analyze and appraise accurately the competitive claims for goods and services. Prerequisite: Economics 51. Two and one-half credits. Daily 7. HE203.

Comish

65. **Housing Problems.** A social and economic study of the types, organization, plan and equipment of modern housing and the changes brought about by inventions, scientific discoveries, educational progress and other leading developments. Consideration of present housing needs, practices affecting housing construction and home ownership. Two and one-half credits. Daily 9. HE203.

Agan

**149. Economics of Household Consumption and Production.** An economic analysis of household production and the source and distribution of family income under different conditions. Special problems include practice in planning budgets for specific families and laboratory work in scientific consideration of household standards and organization. Required of all students before residence in Practice Cottage. Prerequisites: Foods 20, 21, and 106 for all vocational Home Economics students; others, Foods 9 and 106. Two and one-half credits. M.W.F. 8, T.Th. 8-10. HE207 and Cottage. Nyman

**150. Residence in Home Economics Cottage.** Practice in household management affording an opportunity for Senior College and Graduate women to live in the Practice Cottage assuming responsibilities involved in managing a home. Reservation for residence in the house should be made at an early date through the Home Economics Department. Prerequisite: Economics of Household Production and Consumption 149, or concurrent registration; or consent of instructor. Three credits. Time to be arranged. Nyman

**165. Methods and Materials in Teaching Housing on the High School Level.** This course offers an opportunity for Home Economics teachers to plan a unit of work on Housing with the guidance of a specialist in this field. Two and one-half credits. Daily 2. HE203. Agan

### Home Economics Education

**128. Readings and Conferences.** Individual analysis of problems in home economics teaching with emphasis upon methods and teaching content. Credit and time to be arranged. Thompson

**129. Summer Project Supervision.** Readings and conferences for teachers who are interested in supervising summer project work. Emphasis will be on objectives, organization of work, procedures, and evaluation in relation to home and community life. One credit. Time to be arranged. (May be taken without credit.) Thompson

**130. Methods and Materials in Teaching Child Development on the High School Level.** A course particularly planned for home economics teachers. Provision will be made for those enrolled to participate in the planning of a unit in child development for junior high school students; to observe that unit taught to a group of high school girls; and to evaluate its strengths and weaknesses under the guidance of the instructor. Two and one-half credits. Daily 8 and 10. First three weeks. HE101. Ahlstrom

**131. Methods and Materials in Teaching Family Relations on the High School Level.** A course planned particularly for home economics teachers. Provision will be made for those enrolled to participate in the planning of a unit in family relationships for high school students; to observe that unit taught to a group of senior high school boys and girls; and to evaluate its strengths and weaknesses under the guid-

ance of the instructor. Two and one-half credits. Daily 8 and 10. Second three weeks. HE101. Agan

### Textiles and Clothing

20. **Household Textiles.** Study of textile products, their used economic and aesthetic values in relation to construction, finish, and raw material. Aim of course is to form a basis for intelligent consumption and appreciation of fabrics. Three credits. M.W.F. 10. T.Th. 1-3. HE208. Staff

100. **Family Clothing Problems.** Includes clothing budgets for family and individuals; remodeling and renovations of demoded garments with emphasis upon good designs and applicable techniques, selection and construction of clothing for children of different age levels from the standpoint of their physical and psychological development. Outside work, required. Prerequisites: Textiles and Clothing 9, 11, 20, 115; Art 1 and 2; Economics 51. Three credits. M.W.Th. 1-4. HE206. Johnson

125. **Applied Costume Design.** Experience given in designing by draping method on dress forms. This course develops creative ability, understanding of design applied and costume and skill in fitting. Outside work required. Prerequisites: Art to satisfy instructor; Textiles and Clothing 115. Two and one-half credits. M.W.F. 8-10. HE206. Staff

190. **Special Problems.** Open to qualified students majoring in Textiles and Clothing upon consultation with instructor. Time and credit to be arranged. Johnson

### Industrial Education

A wide variety of courses in Industrial Arts and Farm Mechanics will be offered during the 1941 Summer Session. Nationally known educators will present the professional education courses while the manipulative courses will be conducted by the resident faculty. The offering in Trades and Industries is omitted this year due to the demand for Trade and Industrial teachers in the National Defense Training Program.

The offering at this Summer Session is a part of a continuing program under which students may direct their efforts towards an advanced degree and at the same time meet the certification requirements of the State Department of Public Instruction.

The Industrial Arts offering consists of ten manipulative courses and six professional educational courses. The manipulative courses include: Art Metal, Art Leather, Jewelry, Special Crafts, Principles of Industrial Arts Design, Problems in Industrial Arts Design, Driver Education and Traffic Safety, Plastics, Ceramics, and Industrial Photography. The professional education courses include: Occupational Analysis, Course Organization in Industrial Arts, Techniques

in Writing Instruction Sheets, Tests and Measurements in Industrial Arts, Planning and Equipping Industrial Arts Shops, and Course of Study Building in Industrial Arts.

The course in Traffic Safety for high school teachers will be repeated this year. The course will be conducted by Professors Carter and Jeppsen and will run for a period of three weeks beginning June 9.

## INDUSTRIAL EDUCATION

George D. Clyde, Professor  
Howard B. Gunderson, Professor  
Harold S. Carter, Professor  
Calvin Fletcher, Professor  
Ernest C. Jeppsen, Associate Professor  
Joseph Coulam, Assistant Professor

### Visiting Faculty

**R. E. Fields**  
Industrial Arts Instructor, Skinner Junior High School  
Denver Public Schools, Denver, Colorado

**A. E. Jacobsen**  
Farm Mechanics Instructor, Springville High School  
Springville, Utah

## INDUSTRIAL ARTS

10. **Special Crafts.** This course is designed primarily for teachers in the junior high schools desiring a general training in miscellaneous crafts. Training will be given in the elementary processes of batik, weaving, glass etching, sponges, block and screen printing, wood carving and burning, plaster carving and Keene cement. One and one-fourth credits. Daily 3-5. June 9 to June 27. Shop. **Fields**

Art 13, 113. **Art Metalry.** Principles and practice in raising, etching, sawing, riveting, repousse and other processes of art metal work. Copper will be emphasized, but aluminum, pewter and silver may be used if desired. Processes studied will be applied to industrial arts projects. Time and credit to be arranged (See page 19). June 9 to July 18. M52. **Fletcher**

Art 14, 114. **Leather Work.** Principles and practice in tooling, flat modeling, embossing, carving, cutting, lacing, dyeing, finishing and other processes of art leather work. Processes studied will be applied to industrial arts projects. Students having credit in Industrial Arts 107 may register for Art 114. Time and credit to be arranged (See page 19). June 9 to July 18. M52. **Fletcher**



**Art 19, 119. Jewelry.** Principles and practice in constructing, soldering, chasing, enameling, stone cutting, setting, filigree and other processes of jewelry. Students having credit in Industrial Arts 108 may register for Art 119. Time and credit to be arranged (See page 19). June 9 to July 18. M52. Fletcher

**Art 37. Principles of Industrial Arts Design.** Fundamental principles of design and color especially applied to industrial arts and crafts projects. Two and one-half credits. Lecture M.W.F. 7. Lab. to be arranged. June 9 to July 18. M54. Fletcher

**Art 38. Problems in Industrial Arts Design.** Special problems in the designing and coloring of industrial arts and craft projects. Students are urged to bring practical problems for consideration. Prerequisite Art 37 or its equivalent. Two and one-half credits. Lecture T.Th. 7. Lab. to be arranged. June 9 to July 18. M54. Fletcher

**104. Occupational Analysis (Seminar).** A study of the procedures used in analyzing an occupation with their application to an industrial arts program. A general survey will be made of the industrial activities in the intermountain region to determine the leading trades and occupations. These trades and occupations will then be analyzed into their divisions, units, type jobs and processes as a basis for developing an industrial arts course of study. Two and one-half credits. Daily 8-11. June 9 to June 27. E203.

Staff

**109. Course Organization in Industrial Arts (Seminar).** A study of occupational analysis to determine courses needed in industrial arts and practice in the mechanics of organizing these courses. Emphasis will be placed on general objectives, course standards, grade levels, period of training, instructional units, sequence of instruction, etc. Two and one-half credits. Daily 1-5. June 9 to June 27. E203.

Staff

**CE126. Driver Education and Traffic Safety.** This course is designed primarily for high school teachers desiring to offer a course in driver training and traffic safety to high school students. This course will acquaint teachers and others with available instructional materials in the field of driver education and the latest methods of presenting such materials in the class room and on the road. Supervision during practice will be arranged for each student. Special lectures. Registration limited to 16. Two and one-half credits. Daily 7. Lab. to be arranged. June 9 to June 27. E203. Carter and Jeppsen

**142. Plastics.** Recognizing the trend toward the use of modern and varied materials, this course is planned to give the teacher the necessary information and techniques to teach a unit in the cast resinoids broadly termed "plastics". In this course, projects will be made which require practice in the operations of sawing, turning, embossing, bending, cementing, drilling, inlaying, and finishing of plastics. A syllabus will be developed which teachers will find useful in introduc-



ing this material to their classes. One and one-fourth credits. Daily 1-3. June 9 to June 27. Shop. Fields

143. **Ceramics.** This course will present in a clear, concise manner the processes involved in the field of Ceramics. The units covered will include mixing, wedging, rolling, modeling, sizing, casting, pressing, throwing on the wheel, turning, building with coil, sticking up with slabs, glazing and firing. Units will also be offered in casting, carving, turning and finishing Keene's cement projects and color cement work. One and one-fourth credits. Daily 1-3. June 9 to June 27. Shop.

Fields

150. **Industrial Photography.** Principles and practice in the fundamentals of photography with its application to industrial projects. Training will be given in the selection and use of cameras, lenses, meters, films, filters, paper, developers and accessories. Attention will be given to the selection of view and study of image, exterior and interior lighting, arranging of models and projects and determining exposures. Developing, printing, enlarging, mounting and other processes will be studies. One and one-fourth credits. Daily 3-5. June 9 to June 27. E203.

Allen

205. **Techniques in Writing Instruction Sheets (Seminar).** A study of the basic principles underlying the development and use of instruction sheets in industrial arts courses. Methods of preparation will be studied, and various types of sample sheets will be made. Two and one-half credits. Daily 1-5. June 30 to July 18. E203.

Staff

208. **Tests and Measurements in Industrial Arts Education (Seminar).** A study of the various tests and measurements applicable to industrial arts instruction. The revising of old and the developing of new tests and measurements to meet the present objectives in the industrial arts program. Two and one-half credits. Daily 8-11. July 21 to August 8. E203.

Staff

209. **Planning and Equipping Industrial Arts Shops (Seminar)** Principles and practice in planning and equipping modern industrial arts shops. Special emphasis will be placed on suggested lists of equipment, arrangement of equipment, shop floor plans, etc. Two and one-half credits. Daily 1-5. July 21 to August 8. E203.

Staff

212. **Course of Study Building in Industrial Arts (Seminar).** Principles and practice in the organizing of courses of study in industrial arts. Emphasis will be placed on specific course objectives, teaching outlines, lesson plans, teaching aids, progress records, methods of presenting, etc. Two and one-half credits. Daily 8-12. June 30 to July 18. E203.

Staff

## FARM MECHANICS

104s. **General Farm Shop.** Organization of the content for farm mechanics in the high school, together with the operative and man-

agerial skills in typical farm mechanics work. Two and one-half credits. Daily 1-5. June 9 to June 20. Ag. Engineering Building.

Coulam and Jacobsen

**CE126. Driver Education and Traffic Safety.** This course is designed primarily for high school teachers who desire to offer a course in driver training and safety to high school students. The course is designed to acquaint teachers and others with available instructional materials in the field of driver education and the latest methods of presenting such materials in the class room and on the road. Supervision during practice will be arranged for each student. Special lectures. Registration limited to 20. Course repeated second three weeks if registration justifies. Two and one-half credits. Daily 1-3. Lab. to be arranged. June 9 to June 27. E203.

Coulam and Jeppsen

## LIBRARY SCIENCE

L. H. Kirkpatrick, Librarian

Ellen Williams, Cataloguer

Donald Nelson, Circulation Librarian

**24. Children's Literature.** Introduction to the prose and poetry of childhood and adolescence. A \$1.50 library fee is required. This course is helpful to teachers and parents. Five credits. Daily 7-9.

Pedersen

**100. Reference and Bibliography.** This course includes a study of the basic reference tools, such as encyclopedias, dictionaries, catalogues, and periodical references. Five credits. Daily 8-10. Staff room.

Rich

**113. Book Repair and Binding.** Lectures and demonstrations of simple repair and various methods of binding books and magazines. Two and one-half credits. Daily 3-5.

Nelson

**120. Introduction to Cataloging.** A study of simplified cataloging, using the unit card system. Five credits. Daily 1-3. N310.

Williams.

**205. Reading and Conference.** Experienced librarians who are advanced students may work on special projects under the supervision of the instructor. Two and one-half credits. Arranged.

Kirkpatrick

## MATHEMATICS

V. H. Tingey, Associate Professor

**46. Trigonometry (Plane and Spherical).** Daily 10. and 1. Five credits. M134.

Tingey

50. **Descriptive Astronomy.** An elementary course, non-mathematical, and given to acquaint the student with the relation of the earth to the solar and sidereal universes. Three credits. Daily 8. Laboratory one evening per week. M134. **Tingey**

110. **Statistics.** An introductory course in modern statistical methods. The basic statistical constants will be discussed and the modern methods of treating small samples will be gone into in some detail. Three credits. M.T.W.Th. 9. Laboratory 2-5 any two afternoons. M134. **Tingey**

## MODERN LANGUAGES

George A. Meyer, Professor

George C. Jensen, Associate Professor

German 1a. **Grammar and Conversation.** Two and one-half credits. Daily 8. M356. **Jensen**

German 1b. **Reading and Conversation.** Two and one-half credits. Daily 1. M356. **Jensen**

**Note:** German 1a and 1b are taken together.

**Scientific German.** Introductory course. Two and one-half credits. Daily 10. M356. **Jensen**

23. **German and Spanish Pronunciation.** Designed primarily for students in Music, Art, Speech, and Radio Announcing. Available to others. Basic drill in German and Spanish with special attention to the terminology and proper names encountered in the fields of music and art. Two credits. M.T.W.Th. 9, or at a time to be arranged. M356. **Jensen**

## MUSIC

Walter Welti, Associate Professor

Charles Steen, Instructor

LuDean Rogers, Instructor

William Douglas, Instructor

101. **Woodwind Materials and Methods.** The study of all woodwind instruments, their scope and transpositions. Two and one-half credits. Daily 10. M133. **Steen**

102. **Music Appreciation.** First three weeks, Symphony Appreciation. Second three weeks, Opera Appreciation. Two and one-half credits. Daily 8. M133. **Steen**

103. **Everybody's Music.** Music appreciation for upper grades, high school, and all music lovers. Two and one-half credits. Daily 9. M130. **Welti**

**143. Mixed Chorus.** Open to all Summer School students. This chorus will present a program at the end of the Summer Session, and will likewise receive instruction in the art and science of conducting. One credit. Daily 12. M130. Welti

**150. Methods.** Sight singing, care of the child voice, children's repertoire, dictation, and general procedure of teaching music in the grades. Two and one-half credits. Daily 10. M130. Welti

**155. Voice Instruction.** For beginners, advanced students, and teachers of voice. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged. Welti

**160. Piano Instruction.** For beginners, advanced students, and teachers of piano. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged. Rogers

**165. Woodwind Instruments.** For beginners, advanced students, and teachers of woodwind instruments. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged. Steen

**167. Violin Instruction.** For beginners, advanced students, and teachers of violin. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged. Douglas

## PHILOSOPHY

### Visiting Faculty

Frank Miller Chapman, U. S. A. A.; formerly of Harvard University.

**102. Logic.** A development of the basic principles. Two and one-half credits. Daily 9. M354. Chapman

**112-212. Main Currents in Contemporary Thought.** Two and one-half credits. Daily 1. M354. Chapman

## PHYSICAL EDUCATION

Joseph R. Jenson, Professor  
H. B. Hunsaker, Assistant Professor  
Margaret Goold, Instructor  
Edna Swenson, Instructor

**17. Elementary Swimming.** Men. One credit. Daily 3. Pool.

Jenson

25. **Tennis.** Men and Women. One credit. Daily 3. Men's Gym.  
Goold
50. **Elementary Creative Dancing.** Class will include elementary technique in relaxation, strength, limbering and coordination; exercises for fundamentals of the dance, emphasizing discovery of natural rhythms and movements of the body leading to simple dance forms. Composition and the creative dance will also be given. Women. One credit. Daily 8. Women's Gym.  
Swenson
52. **American Cowboy Square Dance.** Study, teaching and presentation of Lloyd Shaw's American Cowboy Square Dances constitute the course. Men and women. One hour credit. Daily 10. Women's Gym.  
Swenson
54. **Elementary Swimming.** Men and women. One credit. Daily 1. Pool.  
Goold
57. **Elementary Badminton.** Men and women. One credit. Daily 10. Men's Gym.  
Hunsaker
58. **Music for Physical Education Teachers.** A course designed to help the teacher of Physical Education of any grade level to more wisely select accompaniment for rhythms and all types of dances, and to have sufficient musical background to direct an accompanist or to do one's own accompanying. Note values, musical forms, rhythms, etc., will be topics of discussion. Two and one-half credits. Daily 9. Gym.  
Swenson
63. **Elementary Archery.** Men and women. One credit. Daily 9. Men's Gym.  
Hunsaker
64. **Intramural Sports.** Men and women. Class designed for recreation. Teams will be organized and tournaments in Softball, Badminton, Tennis, and Horseshoes will be conducted. Contests will be scheduled about three times per week. One credit. Daily 12. Men's Gym.  
Hunsaker
142. **Problems in Creative Dancing.** The course will include body technique to develop a strong, flexible instrument. The study of three fundamental types of movement; swing, sustained and percussive, to develop the medium; and the study of space, time, and force relationships in terms of form to develop a sense of Dance leading into group and individual composition. Women. Two and one-half credits. Daily 7-9. Women's Gym.  
Swenson
163. **Recreative Games.** Men and women. A class in the study and practice of leisure-time activities. Clock golf, badminton, shuffleboard, croquet, archery, volleyball, table tennis, will be presented. Two and one-half credits. Daily 2. Men's Gym.  
Jenson

**171. Tap Dancing.** Men and women. One credit. Daily 12. Women's Gym. **Goold**

**173. Social Dancing.** A study of fox trot, waltz and tango; fundamental steps and routines. One credit. Daily 1. Men's Gym. **Swenson**

**182. Physical Education for Elementary Schools.** A study of the rhythmic game activities for grades one to six; and seven to twelve; play days, recess and after-school programs; intramural programs. One and one-quarter credits. Daily 2. Women's Gym. First three weeks. **Goold**

**183. Techniques of Team Sports for Women.** This course is designed for women intending to teach Basketball and Volley Ball. Time will be spent in perfecting and analyzing skills with special attention given to teaching techniques. Students will be expected to prepare a syllabus of class work. One and one-quarter credits. Daily 2. Second three weeks. Women's Gym. **Goold**

**186. Heavy Apparatus.** A study of methods to teach gymnastics such as parallel bars, horse, horizontal bar and rings. One credit. Daily 3. Men's Gym. **Bell and Hunsaker**

**194. Techniques of Dual Sports for Men and Women.** This course is designed for students intending to teach Badminton and Archery. Time will be spent in perfecting and analyzing skills with special attention given to teaching technique. Students will be expected to prepare a syllabus of class work. Daily 1. Men's Gym. **Hunsaker**

**250. Reading and Conference.** A course providing for individually directed study. Two and one-half credits. Hours arranged. **Jenson**

**281. Administration of Intramural Sports for Men and Women.** A study of present types of intramural programs now in vogue in junior and senior high schools. Administration, sports, schedules, scoring systems, motivation and awards are problems studied. Each student selects a type of school and builds an intramural syllabus as a final project. Two and one-half credits. Daily 8. Men's Gym. 27. **Hunsaker**

**282. Problems in Curriculum Construction in Physical Education for High Schools.** Essential steps in formulating the curriculum in physical education for the several upper grades with consideration of the basic elements to be taught in the various activities, problems in organization of content material and class procedure to insure proper gradation of material and systematic progress in various school levels. Two and one-half credits. Daily 9. Men's Gym. 27. **Jenson**

284. **Social Recreation.** This course will deal with the principles and technique of leadership in recreation activities for the home, school and community: methods of promoting, organizing and directing social games, social mixers, community outings, hikes, picnics, parties, community singing, clubs, recreational dramatics, etc. One credit. T-Th. 7:30-9:30 p.m. Men's Gym.

Hunsaker, Goold, Swenson, Jensen

285. **Community Recreation.** Essential organization plans for a community, recreational set-up. The aim of the course is to make programs and plans for all types of recreational necessities. Two and one-half credits. Daily 10. Men's Gym.

Jensen

### Coaching School

E. L. Romney, Director of Athletics,  
Utah State Agricultural College  
Clark Shaughnessy, Head Football Coach,  
Stanford University  
Forrest B. Cox, Basketball Coach,  
University of Colorado

120. **Methods of Coaching for Men.** A theoretical and practical consideration of training and coaching men's athletic teams. Field House.  
Staff

120B. **Basketball Coaching.** June 9 to 13 inclusive. Daily 2:30 to 5:00 p.m. One-half credit. Field House.

Cox

120F. **Football Coaching.** June 9 to 13 inclusive. Daily 7:30 to 11 a.m. One-half credit. Field House.

Shaughnessy

## PHYSICS

\*Leon B. Linford, Professor  
Leo H. Linford, Assistant Professor

2b. **Introductory Physics.** A brief survey of the fields of Electricity and Magnetism, Light, and Sound. The lectures will be illustrated by carefully planned demonstration experiments. A continuation of Physics 3a; Physics 3b may be taken without having taken course 3a. Two and one-half credits. Daily 8. W106.

Linford

119. **Electronic, Atomic, and Nuclear Physics.** A study of electric discharge, photoelectric and thermionic effects, atomic structure, spectra, and atomic nuclei and their transmutations. Special attention will be given recent work and theories in these subjects. This course is designed primarily for high school science teachers. Prerequisite: Physics 20, 21, 22. Three credits. Daily 10 and one hour arranged. W106.

Linford

20, 21, 22. **Mechanics and Molecular Physics. Electricity and Magnetism. Heat, Light and Sound.** The course designed for students majoring in science and in engineering. Upon sufficient demand, any one of the three five-hour parts of the course will be given during the regular Summer Session and one during the Intersession. Five credits for each part. The time will be arranged for the 36 lectures and 20 laboratory exercises. W106.

Linford

\*On leave.

## PHYSIOLOGY, PUBLIC HEALTH AND HYGIENE

E. G. Carter, Professor  
W. B. Preston, Professor  
William A. Scholes, Instructor

4. **Anatomy and Physiology.** A study of the structure and functions of the human body. Five credits. Daily 7-9. H212. Carter

14. **Health Education.** An informational course dealing with the basic physiological factors in Hygiene and Health Education and opening up the fields of health promotion and disease prevention. Two and one-half credits. Daily 10. H203. Scholes

50. **First Aid.** The standard American National Red Cross course in first aid with emphasis upon the practical use of the knowledge as applied to everyday life in various occupations. Detailed demonstrations and practice. The American Red Cross First Aid Certificate may be obtained by students in the course who pass a satisfactory examination. Two and one-half credits. Daily 10. G33.

Preston

108. **Public Health, Hygiene and School Health.** This course is designed to acquaint the student with a broad conception of the principles of hygiene and preventive medicine. The several approaches to positive health will be discussed and the general field of public health activities will be outlined with emphasis on health in the secondary school. Two and one-half credits. Daily 7. H203.

Scholes

113. **Human Physiology.** A study of recent advances in physiology including some laboratory demonstrations. Two and one-half credits. Daily 9. H212. Carter

114. **School Health Programs.** Designed to meet the practical problems in the public schools. Essentials of a sound modern school health program; curricula, methods, and techniques of teaching health for both elementary and secondary schools will be studied. Two and one-half credits. Daily 8. H203. Scholes



116. **Readings in Physiology and Hygiene.** Individual study in specific subjects or current literature in the field of Physiology and Hygiene approved by the instructor. Two and one-half credits. Hours arranged. Staff

## POLITICAL SCIENCE

Milton R. Merrill, Professor

Visiting Faculty

Schuyler Wallace, Professor of Government  
Columbia University

117 or 217. **American Political Ideas.** The major philosophical contributions to modern American democracy as they have developed in America will be discussed. The men, from the colonial period to the present, who have made these contributions, will receive attention. Two and one-half credits. Daily 10. M358. Wallace

170 or 270. **The Process of Government.** The American government as a dynamic, living, human institution will be analyzed. Two and one-half credits. Daily 9. M358. Wallace

205. **Reading and Conference.** Arranged. Merrill

## PSYCHOLOGY

Arden Frandsen, Professor

John M. Hadley, Instructor

Visiting Faculty

Mandel Sherman, Associate Professor of Psychology,  
University of Chicago

102a. **Educational Psychology.** A professional course for prospective teachers, intended to increase understanding of personality and to develop greater insight into the conditions under which high school students learn effectively. Prerequisites, General Psychology and Elementary Statistics, the latter of which may be taken parallel with Educational Psychology. Two and one-half credits. Daily 8. M204. Hadley

102b. **Statistics Applied to Education and Psychology.** An introductory study of the statistical procedures used in handling test scores in school situations, and of the concepts which are met frequently in the literature of educational and psychological research. Two credits. M.T.W.Th. 10. M204. Hadley

103 or 203. **Psychology of Guidance and Personality Adjustment.** Applications of clinical psychology to (1) guidance in planning major life activities—educational, vocational, social, and recreational and (2) to the diagnosis and prevention or correction of conduct and personality maladjustments. (This course meets the State Board certification requirement for a course in guidance. Students taking Psychology 103a may enter it at the fourth week and receive credit for 103b.) Daily 9. M279. Two and one-half credits or one and one-fourth credits if entered at fourth week. Frandsen

103a, b. **Personality and Conduct Problems.** A study of the characteristics, causes, treatment, and prevention of personality and conduct problems which may arise in family, school, vocational, social, and recreational activities. Individual counsel will be available on the teacher's personal problems as well as on those of her pupils. One and one-fourth credits for first three weeks; additional one and one-fourth credits for 103b in second three weeks. Daily 9. M280. Sherman

110. **Child Psychology.** A study of the roles of growth, learning, and environmental influences on the motor, mental, language, social, and personality development of children from birth through adolescence. Generalizations with respect to individual differences, emotional behavior, motivation, how children learn, observe, and think, will be applied to understanding and controlling children's behavior in home, school, and community. One and one-fourth credits for first three weeks; two and one-half credits if continued through the second three weeks with Frandsen. Daily 1. M279. Sherman

112. **Psychology of the Elementary School Curriculum.** A study, from the point of view of psychological theory and research, of the aims selection and sequence of content, methods of teaching, and measurement of outcomes in the elementary school curriculum. Prerequisites, General Psychology and Elementary Statistics. Two and one-half credits. Daily 8. M279. Frandsen

## SOCIOLOGY AND SOCIAL WORK

Joseph A. Geddes, Professor  
Joseph N. Symons, Assistant Professor  
Evelyn C. Hodges, Instructor and  
Supervisor of Field Work

School teachers and coordinators as well as students will find the social work courses offered during 1941 well adapted to their needs.

### Sociology

70. **Principles of Sociology.** The foundations of Sociology are studied in order that a plan of social progress may be formulated. The problems of social origins, social structures, public opinion, social activities, social organization, and social evolution are carefully con-

sidered. Prerequisite for all Upper Division classes. Two and one-half credits. Daily 7. M206. Symons

161. **Modern Social Problems.** A study of the major problems of modern social life, and their causes and remedies. Two and one-half credits. Daily 10. M206. Symons

207. **Graduate Seminar (Current Crime Problems).** The concern here is with current theories of crime causation, the trends in recent months by type and amount of crime, with possible explanations for the same, the latest developments in penology and prevention programs and a glance at the local and state picture. Two and one-half credits. Daily 9. M206. Symons

## Social Work

S.W. 173. **The Field of Social Work.** A survey of the development of the various fields of social work. This course is designed for students entering the fields of teaching, home demonstration, and county agent's work as well as social work. It is prerequisite to all other social work courses. Two credits. M.T.W.Th. 9. Hodges

S.W. 210-211-212. **Field Work I-II-III.** The Field Work Center will be maintained during the Summer Session. Careful supervision is given. Registration is limited. Students are admitted only after consultation with the instructor. Two credits. T.Th. 8:30 to 4:30. Hodges

S.W. 270. **Child Welfare.** A course dealing with the problems of case work in children's agencies. Special study is made of the procedure used in the case of dependent, neglected, and handicapped children. Two and one-half credits. Daily 8. Hodges

## SPEECH

Chester J. Myers, Associate Professor  
John M. Hadley, Instructor

4S or 104S. **Oral Interpretation of Literature.** Study and practice in the analysis and interpretation of various types of literature; the lyric, the sonnet, dramatic and narrative poetry, old ballads, and the short story. By mastering significant selections from the great writers for audiences in important occasions, the student becomes an interpreter of permanent literature. Reading from manuscript and from memory. Two and one-half credits. Daily 10. M205. Myers

12S or 112S. **Private Instruction.** Advanced specialized work. Special attention is given to the student's deficiencies in speech. Work in the story, drama, novel, poetry, and all the various literary forms. Special fee. It is recommended that all speech majors have five hours. Consult instructor before registering. Credit and time arranged. Myers

**56S or 156S. The High School Play.** A consideration of plays suitable for high school presentation. A study of the one-act as well as the longer play is included. Lectures and demonstrations pertaining to the public presentation of the plays are also part of the course. Two and one-half credits. Daily 9. M205. Myers

**118. Story Telling.** Emphasis is placed upon material native to this area. Pioneer stories and other material native to the West will be used in considerable degree. Study of sources, adaptation of material and actual practice in story telling is given. Needs of students teachers, librarians and parents are considered. Two and one-half credits. Daily 1. Staff

**123S. Texts, Trends, and Teaching Technique in Speech.** A study of current texts, present-day trends, and teaching methods in the various phases of speech education. Consideration is given the recommendations as found in selected state courses of study. Two and one-half credits. Daily 8. M205. Myers

**175. Speech Problems of School Children.** A practical, non-technical course for teachers, designed to present the symptoms, causes and management of defective speech in children. The illustrative cases and examples are all taken from the school room and all suggestions for remedial work take into consideration the experience and training of the average class room teacher. Two and one-half credits. Daily 9. M204. Hadley

**183A. Problems in Speech.** Especially selected work, individually assigned, handled, and directed in consultation with the student. Special speech problems of merit and of mutual interest to student and instructor are investigated and reported upon in this course. Consult the instructor for permission to register. Credit and time arranged. Myers

## ZOOLOGY AND ENTOMOLOGY

W. W. Henderson, Professor  
J. Sedley Stanford, Assistant Professor  
D. M. Hammond, Assistant Professor

**1. Principles of Biology.** A survey of the basic principles of biology which form the foundation of all manifestations of life. In this course the great biological generalizations are emphasized in order to bring about a greater understanding and appreciation of life. The application of biology to human problems such as education, race improvement, and disease is especially emphasized. This is not a course in technical Zoology, but a thorough consideration of the basic principles which govern life and the application of these to mankind. Two and one-half credits. Daily 9. M227. Hammond

**111. Heredity and Eugenics.** A brief study of the laws and principles which govern heredity as shown by experimental breeding and cytology and some of the more important human applications. Two and one-half credits. Daily 10. M227. Hammond

**121. Reading and Conference.** Individual study in specific subjects or current literature in the field of Zoology and Entomology approved by the instructor. Two and one-half credits. Hours arranged. Staff

**127. Nature Study. (Invertebrate Animal Life.)** A study of the natural history of the common animals which occur locally, not including vertebrates. Study of the animals in their natural habitats will be stressed, as well as study of the living animals in the laboratory. Also, methods of collection, and preparation for display and study will be considered. Two credits. T.Th. 2-5. M230. Hammond

**201. Zoological Research.** The student who wishes to engage in some line of original research and is qualified to do so, may elect and study some topic from eugenics, ecology, morphology or some other branch of zoology. Open to undergraduate students only by special arrangement with the department. Thesis required. Credit and time arranged. Staff

**210. Entomological Research.** Students may select or will be assigned certain problems dealing with different phases of entomology. The amount of credit will depend on the nature of the problems and the time spent. Thesis. Open to undergraduates only by special arrangement. Prerequisites, Entomology 13, 14 and 102. Time arranged. Staff

## INTERSESSION CLASSES

July 21 - August 15

### Chemistry

**122. Organic Chemistry.** Fundamental Principles of Organic Chemistry. The Aromatic Hydrocarbons and their derivatives. This course corresponds to the regular course given in the Winter quarter. This course will be given as a full time intersession course if registration justifies. Prerequisite, Chemistry 121. W204. Time to be arranged. Hirst

### Education

**110. Diagnostic and Remedial Teaching.** A consideration of the subject and specific disabilities which prevent the typical student from adjusting to the average school situation. Both diagnostic and remedial techniques will be considered. Three credits. Daily 10. M280. Hadley

## English

164. **The Democratic Tradition.** Trough reading selected from English and American literature, the instructor in this course will trace the rise of democratic ideals and patterns of living from their origin to the modern period. This course, for which there are no prerequisites, is intended for the general student in either the Upper or Lower Division, and also for the teacher of English and Social Sciences. Five credits. Daily 8-11. M351. Senob

## History

135-235. **United States History.** History of the Far West. This course will deal with the region from the Rockies to the Pacific Coast with special emphasis upon the Intermountain West. Five credits. Time to be arranged. N312. Ricks

## Physics

20, 21, 22. **Mechanics and Molecular Physics. Electricity and Magnetism. Heat, Light, and Sound.** The course designed for students majoring in science and in engineering. Upon sufficient demand, any one of the three five-hour parts of the course will be given. Five credits for each part. The time will be arranged for the 36 lectures and the 20 laboratory exercises. W106. Staff

## Physiology, Public Health and Hygiene

109. **Community Health Problems.** A study of the organization and functions of municipal, county, state, and federal health agencies. Five credits. Daily 8. H212. Carter and Scholes

## Psychology

202. **Psychology of Adolescence.** A consideration of the general process of adolescence with special consideration and attention given to problems of motivation and adjustment typically occurring in this period. Three credits. Daily 8. M280. Hadley

## Political Science

201, 202, 203. **Current Political Problems.** A course designed for Senior and graduate students majoring in Political Science and related subjects. Required of those graduating in Political Science. Six credits. M358. Merrill

or

102-202. **International Political Relations and American Foreign Policy.** Psychological, economic, racial, and other obstacles to international cooperation, as exemplified in recent events. The Treaty of Versailles; the League of Nations; and present day world politics. Six credits. M358. Merrill